1 FENT COOPERATION TREATY				
From the INTERNATIONAL SEARCHING AUTHORITY				
To: ROBERT C. HYTA WELLS, ST. JOHN P.S. 601 WEST 1ST AVENUE, SUITE 1300 SPOKANE, WA 99201		PCT		
		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		
			(PCT Rule 43bis.1)	
		Date of mailing (day/month/year)	23 JUN 2005	
Applicant's or agent's file reference		FOR FURTHER ACTION		
GR61-014		See paragraph 2 below		
International application No.	International filing date	(day/month/year)	Priority date (day/month/year)	
PCT/US04/12849	26 April 2004 (26.04.20		25 April 2003 (25.04.2003)	
International Patent Classification (IPC) or both national classification and IPC				
IPC(7): H 01 J 49/00 and US Cl.: 250/282, 281,288,286				
Applicant				
GRIFFIN ANALYTICAL TECHNOLOGIES, INC.				
1. This opinion contains indications relating to the following items:				
Box No. I Basis of the opinion				
Box No. II Priorit	Priority			
Box No. III Non-es	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
Box No. IV Lack o	Lack of unity of invention			
	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
Box No. VÍ Certair	Yİ Certain documents cited			
Box No. VII Certain defects in the international application				
Box No. VIII Certain observations on the international application				
2. FURTHER ACTION	•			
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.				
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.				
For further options, see Form PCT/ISA/220.				
3. For further details, see notes to Form PCT/ISA/220.				

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Commissioner for Patents

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/12849

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

2. Citations and explanations:

Claims 1,3-11,13-16,19-22, and 27-51 lack novelty under PCT Article 33(2) as being anticipated by US Pat No 6,541,765 issued to Vestal.

Vestal discloses an ionization source configured to apply different ionization energies to a sample to provide different sample characteristics (see for example col.5, lines 45-54; col.6, lines 41-59).

Vestal discloses a processing circuitry configured to process the different sample characteristics to identify the sample (see for example col. 12, lines 24-26).

As per claim 3, Vestal discloses the sample characteristic is mass spectra (col. 1, lines 19-26).

As per claims 4-6, 8-11,15, 19-21 and 27-51, Vestal discloses two data sets (see col.11, lines 13-34), parameter modifications (col.8, lines 40-45), and mass spectra differences (see for example col.24, lines 23-48).

As per claims 7,13-14, and 16, Vestal discloses a mass spectrometer having a ionization component configured to receive a sample and provide a first ionization energy to the sample to form a first and a second ionized analyte and a processing circuit (see for example col.6, lines 41-59).

As per claim 22, Vestal discloses an ionization source configured to apply different ionization energies to a sample to provide different sample characteristics (see for example col.5, lines 45-54; col.6, lines 41-59). Vestal discloses also two data sets (see col.11, lines 13-34), parameter modifications (col.8, lines 40-45), and mass spectra differences (see for example col.24, lines 23-48). Vestal further discloses a mass spectrometer having a ionization component configured to receive a sample and provide a first ionization energy to the sample to form a first and a second ionized analyte and a processing circuit (see for example col.6, lines 41-59).

Claims 2,12,17-18, and 23-26 lack an inventive step under PCT Article 33(3) as being obvious over Vestal '765 in view of US Pat No 6,717,130 issued to Bateman et al.

Vestal discloses the claimed invention except for an electron impact source.

However, Bateman et al teach the art-recognized equivalence of an electron impact source and laser-assisted ionization (see col.6, lines 25-36).

It would have been obvious to an ordinary artisan to substitute an electron impact source for a photo ionization source because the selection of art-recognized equivalent sources falls within the level of routine skill in the art.

As claims 25-26, Bateman et al also teach the inclusion of an ion trap (see col.6, lines 52-58).

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/12849

ROX I	6. 1 Basis of this opinion			
	regard to the language, this opinion has been established on the basis of the international application in the language in which s filed, unless otherwise indicated under this item.			
	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).			
2. With claim	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the led invention, this opinion has been established on the basis of:			
a.	type of material			
	a sequence listing			
	table(s) related to the sequence listing			
b.	format of material			
	in written format			
	in computer readable form			
c.	time of filing/furnishing			
	contained in international application as filed.			
	filed together with the international application in computer readable form.			
	furnished subsequently to this Authority for the purposes of search.			
	Turnished subsequently to this Authority for the purposes of search.			
In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
4. Additi	onal comments:			
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